

Work Order ID 86301

86301

Shop Gunz Page 1

Tuesday, June 26, 2012 3:31:52 PM

Item ID: D412-702-027
 Revision ID: UR OK 12/6/29
 Item Name: 4-Man Side Facing Shoulder Harness, 4 point

Accept

N900040100

Setup Start *NS1*
 Stop *NS2*

Start Date: 6/26/2012 Start Qty: 1.00 *1*
 Required Date: 7/3/2012 Req'd Qty: 1.00 *1*

Cust Item ID:
 Customer:

Reference:

Approvals: Process Plan: MF Date: 12/06/29 Tooling: Date:
 QC: Date: SPC (Y/N): Date:

Run Start *NR1*
 Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D412-702	E								
100		0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D412-702-027 CHG002								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

SRD
JB

MLT 12/06/27

54

12/06/27 JB

SRD

(X)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 86301***86301***

Page 2

Tuesday, June 26, 2012 3:31:52 PM

Item ID: D412-702-027**Accept*****N900040100*****Setup Start *NS1*****Revision ID:** U/R**Item Name:** 4-Man Side Facing Shoulder Harness, 4 point**Stop *NS2*****Start Date:** 6/26/2012 **Start Qty:** 1.00 ***1*****Cust Item ID:****Required Date:** 7/3/2012 **Req'd Qty:** 1.00 ***1*****Customer:****Reference:****Approvals:** **Process Plan:** **Date:** **Tooling:** **Date:****Run Start *NR1*****QC:** **Date:** **SPC (Y/N):** **Date:****Stop *NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D412-702-027

Location: _____

126290

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

ML5 12/06/29

U122629

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, June 26, 2012 3:31:51 PM

Page 1

Work Order ID: 86301

Parent Item: D412-702-027

Parent Item Name: 4-Man Side Facing Shoulder Harness, 4 point

Start Date: 6/26/2012

Required Date: 7/3/2012

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP A05.09.01 New issue KJ/JLM
 IPP Rev: B06.04.03 As per DS19324 JLM
 IPP Rev: C As per Dsi9351 07-03-14 JLM
 IPP Rev: D 07-07-28 As per Rev E JLM Verified By: EC
 IPP Rev: E Remove Manufact 08-05-13 JLM Verified By: DD
 IPP Rev F 11.05.31 dsi 9559 EC verified by: JLM
 list EC verified by: JLM
 IPP Rev G 11.06.01 revised pick

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4387-041 Harness Assembly		Manufactured	No			110	Each	11.0000	4	4			SP
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				quar		5							
				72273		5							
				ST263		6							
				84109		2							
				85229		4							
D412-702-069 Grommet		Manufactured	No			110	Each	0.0000					
D3196-3 Bar		Manufactured	No			110	Each	3.0000					
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST260		3							
				80816		3							
D3196-4 Bar		Manufactured	No			110	Each	3.0000					
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST260		3							
				81537		3							

2x 84109

2x 85229

B86311

80816

81237

12/06/27

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Tuesday, June 26, 2012 3:31:52 PM

Page 2

Work Order ID: 86301

Parent Item: D412-702-027

Parent Item Name: 4-Man Side Facing Shoulder Harness, 4 point

Start Date: 6/26/2012

Required Date: 7/3/2012

Start Qty: 1.00

Required Qty: 1.00

D3551-00 Manufactured No
Hook and Loop Tie

110 Each 6.0000

4 4 JB SP

Location Loc Qty Loc Code

ST246A 6
81879 1
85528 5

1x 81879
3x 85528

MS24694-S152 Purchased No
Screw

110 Each 38.0000

6 6 JB SP

Location Loc Qty Loc Code

ST290 38
116440 1
119108 10
120731 18
121444 9

MS24694-S154 Purchased No
SCREW

110 Each 22.0000

121444 6 JB: 12/06/27
121068

Location Loc Qty Loc Code

ST290 22
121068 22

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

QTY -021	QTY -023	QTY -025	QTY -027	QTY -029	QTY -035	Part Number	Description
X						D412-702-021	Dart 13-Man Shoulder Harness Kit, 4-point
	X					D412-702-023	Dart 5-Man Forward Facing Shoulder Harness Kit, 4-point
		X				D412-702-025	Dart 4-Man Aft Facing Shoulder Harness Kit, 4-point
			X			D412-702-027	Dart 4-Man Side Facing Shoulder Harness Kit, 4-point
				X		D412-702-029	Dart 1-Man Forward Facing Shoulder Harness Kit, 4-point
					X	D214-702-035	Dart 5-Man Aft Facing Shoulder Harness Kit, 4-point, for Bell 214B/B-1
1	1		1	1		D412-702-069	GROMMET KIT
2	2					D3195-041	BRACKET
2	2					D3195-043	BRACKET
1	1			1		D3196-1	BAR
1			1			D3196-3	BAR
1			1			D3196-4	BAR
2	2					D3197-041	BAR
4		4				D3198-1	FITTING
2	2					D3268-1	PLACARD
9	5		4	1		D3446-041	HARNESS ASSEMBLY, 4 POINT
4		4				D3446-043	HARNESS ASSEMBLY, 4 POINT
					5	D3446-045	HARNESS ASSEMBLY, 4 POINT
13	5	4	4	1	5	D3551-11	HOOK AND LOOP TIE
2	2					D3546-1	CLIP
4		4				AN4-5A	BOLT
4	4					AN4-13A	BOLT
8		8				AN4-20A	BOLT
20		20				AN960JD416	WASHER (OR NAS1149D0463J)
12		12				MS21042L4	NUT (OR MS21042-4)
8	2		6	2		MS24694-S152	SCREW
8	2		6	2		MS24694-S154	SCREW

QTY -069	Part Number	Description
X	D412-702-069	GROMMET KIT
24	D3619-2	GROMMET
1	D3619-2T1	HOLE PUNCH
1	D3619-2T2	STRIKER BLOCK
1	D3619-2T3	PUNCH
1	D3619-2T4	DIE

DART SERVICE INSTRUCTION

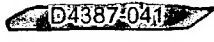
TO AMEND IIN-D412-702-1 REV. A,
AND ICA-D412-702 REV. 4 OR EARLIER APPROVED REVISIONS
REF. TCCA STC: SH04-7
REF. FAA STC: SR01997NY
REF. EASA STC: EASA.IM.R.S.00710

PURPOSE

The purpose of this DSI is to outline the replacement of existing D3446-041/-043 Shoulder Harnesses with the new and improved D4387-041/-043 Shoulder Harnesses.

CHANGE

For the following Kits, the D4387-041 and D4387-043 Shoulder Harnesses respectively replace the D3446-041 and D3446-043 Shoulder Harnesses as follows:

Old Harness P/N	Used On	New Harness P/N	Effectivity
D3446-041	D412-702-021		CHG 003 and subsequent
	D412-702-023		
	D412-702-027		CHG 002 and subsequent
	D412-702-029		
D3446-043	D412-702-021	D4387-043	CHG 003 and subsequent
	D412-702-025		CHG 002 and subsequent






Customers who want to upgrade their shoulder harnesses may replace their existing D3446-041/-043 with D4387-041/-043 per this service instruction.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 11.05.09
CERT. NO.: SH04-7
ISSUE NO.: 3

A	NEW ISSUE	MB	11.05.09
REV.		BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9559	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		HARNESS CHANGE	NTS
DATE	11.05.09	<small>COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	